EPP Schema

<?xml version="1.0" encoding="UTF-8"?>
<schema targetNamespace="urn:ietf:params:xml:ns:contact-1.0"
    xmlns:contact="urn:ietf:params:xml:ns:contact-1.0"
    xmlns:epp="urn:ietf:params:xml:ns:epp-1.0"
    xmlns:eppcom="urn:ietf:params:xml:ns:eppcom-1.0"
    xmlns="http://www.w3.org/2001/XMLSchema"
    elementFormDefault="qualified">
    <!-- Import common element types. -->
    <import namespace="urn:ietf:params:xml:ns:eppcom-1.0"
        schemaLocation="eppcom-1.0.xsd"/>
    <import namespace="urn:ietf:params:xml:ns:epp-1.0"
        schemaLocation="epp-1.0.xsd"/>
    <annotation>
        <documentation>
            Extensible Provisioning Protocol v1.0
            contact provisioning schema.
        </documentation>
    </annotation>
    <!-- Child elements found in EPP commands. -->
    <element name="check" type="contact:mIDType"/>
    <element name="create" type="contact:createType"/>
    <element name="delete" type="contact:sIDType"/>
    <element name="info" type="contact:authIDType"/>
    <element name="transfer" type="contact:authIDType"/>
    <element name="update" type="contact:updateType"/>
    <!-- Utility types. -->
    <simpleType name="ccType">
        <restriction base="token">
            <length value="2"/>
        </restriction>
    </simpleType>
    <complexType name="e164Type">
        <simpleContent>
            <extension base="contact:e164StringType">
                <attribute name="x" type="token"/>
            </extension>
        </simpleContent>
    </complexType>
</schema>
<simpleType name="e164StringType">
  <restriction base="token">
    <pattern value="(\+[0-9]{1,3}\.[0-9]{1,14})?"/>
    <maxLength value="17"/>
  </restriction>
</simpleType>

<simpleType name="pcType">
  <restriction base="token">
    <maxLength value="16"/>
  </restriction>
</simpleType>

<simpleType name="postalLineType">
  <restriction base="normalizedString">
    <minLength value="1"/>
    <maxLength value="255"/>
  </restriction>
</simpleType>

<simpleType name="optPostalLineType">
  <restriction base="normalizedString">
    <maxLength value="255"/>
  </restriction>
</simpleType>

<!--
Child elements of the <create> command.  
-->
<complexType name="createType">
  <sequence>
    <element name="id" type="eppcom:clIDType"/>
    <element name="postalInfo" type="contact:postalInfoType" maxOccurs="2"/>
    <element name="voice" type="contact:e164Type" minOccurs="0"/>
    <element name="fax" type="contact:e164Type" minOccurs="0"/>
    <element name="email" type="eppcom:minTokenType"/>
    <element name="authInfo" type="contact:authInfoType"/>
    <element name="disclose" type="contact:discloseType" minOccurs="0"/>
  </sequence>
</complexType>

<complexType name="postalInfoType">
  <sequence>
    <element name="name" type="contact:postalLineType"/>
    <element name="org" type="contact:optPostalLineType" minOccurs="0"/>
    <element name="addr" type="contact:addrType"/>
  </sequence>
  <attribute name="type" type="contact:postalInfoEnumType" use="required"/>
</complexType>

<simpleType name="postalInfoEnumType">
<restriction base="token">
  <enumeration value="loc"/>
  <enumeration value="int"/>
</restriction>

<complexType name="addrType">
  <sequence>
    <element name="street" type="contact:optPostalLineType"
      minOccurs="0" maxOccurs="3"/>
    <element name="city" type="contact:postalLineType"/>
    <element name="sp" type="contact:optPostalLineType"
      minOccurs="0" maxOccurs="1"/>
    <element name="pc" type="contact:pcType"
      minOccurs="0" maxOccurs="1"/>
    <element name="cc" type="contact:ccType"/>
  </sequence>
</complexType>

<complexType name="authInfoType">
  <choice>
    <element name="pw" type="eppcom:pwAuthInfoType"/>
    <element name="ext" type="eppcom:extAuthInfoType"/>
  </choice>
</complexType>

<complexType name="discloseType">
  <sequence>
    <element name="name" type="contact:intLocType"
      minOccurs="0" maxOccurs="2"/>
    <element name="org" type="contact:intLocType"
      minOccurs="0" maxOccurs="2"/>
    <element name="addr" type="contact:intLocType"
      minOccurs="0" maxOccurs="2"/>
    <element name="voice" minOccurs="0"/>
    <element name="fax" minOccurs="0"/>
    <element name="email" minOccurs="0"/>
  </sequence>
  <attribute name="flag" type="boolean" use="required"/>
</complexType>

<complexType name="intLocType">
  <attribute name="type" type="contact:postalInfoEnumType"
    use="required"/>
</complexType>

<!--
Child element of commands that require only an identifier.
-->
<complexType name="sIDType">
  <sequence>
    <element name="id" type="eppcom:clIDType"/>
  </sequence>
</complexType>

<!--
Child element of commands that accept multiple identifiers.
-->

<!--
Child elements of the <info> and <transfer> commands.
-->
<complexType name="authIDType">
  <sequence>
    <element name="id" type="eppcom:clIDType"/>
    <element name="authInfo" type="contact:authInfoType" minOccurs="0"/>
  </sequence>
</complexType>

<!--
Child elements of the <update> command.
-->
<complexType name="updateType">
  <sequence>
    <element name="id" type="eppcom:clIDType"/>
    <element name="add" type="contact:addRemType" minOccurs="0"/>
    <element name="rem" type="contact:addRemType" minOccurs="0"/>
    <element name="chg" type="contact:chgType" minOccurs="0"/>
  </sequence>
</complexType>

<!--
Data elements that can be added or removed.
--> 
<complexType name="addRemType">
  <sequence>
    <element name="status" type="contact:statusType" maxOccurs="7"/>
  </sequence>
</complexType>

<!--
Data elements that can be changed.
--> 
<complexType name="chgType">
  <sequence>
    <element name="postalInfo" type="contact:chgPostalInfoType" minOccurs="0" maxOccurs="2"/>
    <element name="voice" type="contact:e164Type" minOccurs="0"/>
    <element name="fax" type="contact:e164Type" minOccurs="0"/>
    <element name="email" type="eppcom:minTokenType" minOccurs="0"/>
  </sequence>
</complexType>
<element name="authInfo" type="contact:authInfoType"
    minOccurs="0"/>
<element name="disclose" type="contact:discloseType"
    minOccurs="0"/>
</sequence>
</complexType>

<complexType name="chgPostalInfoType">
    <sequence>
        <element name="name" type="contact:postalLineType"
            minOccurs="0"/>
        <element name="org" type="contact:optPostalLineType"
            minOccurs="0"/>
        <element name="addr" type="contact:addrType"
            minOccurs="0"/>
    </sequence>
    <attribute name="type" type="contact:postalInfoEnumType"
        use="required"/>
</complexType>

<!--
Child response elements.
-->
<element name="chkData" type="contact:chkDataType"/>
<element name="creData" type="contact:creDataType"/>
<element name="infData" type="contact:infDataType"/>
<element name="panData" type="contact:panDataType"/>
<element name="trnData" type="contact:trnDataType"/>

<!--
<check> response elements.
-->
<complexType name="chkDataType">
    <sequence>
        <element name="cd" type="contact:checkType"
            maxOccurs="unbounded"/>
    </sequence>
</complexType>

<complexType name="checkType">
    <sequence>
        <element name="id" type="contact:checkIDType"/>
        <element name="reason" type="eppcom:reasonType"
            minOccurs="0"/>
    </sequence>
</complexType>

<complexType name="checkIDType">
    <simpleContent>
        <extension base="eppcom:clIDType">
            <attribute name="avail" type="boolean"
                use="required"/>
        </extension>
    </simpleContent>
</complexType>

<!--
<create> response elements.

<complexType name="creDataType">
  <sequence>
    <element name="id" type="eppcom:clIDType"/>
    <element name="crDate" type="dateTime"/>
  </sequence>
</complexType>

<!--
<info> response elements.

<complexType name="infDataType">
  <sequence>
    <element name="id" type="eppcom:clIDType"/>
    <element name="roid" type="eppcom:roidType"/>
    <element name="status" type="contact:statusType" maxOccurs="7"/>
    <element name="postalInfo" type="contact:postalInfoType" maxOccurs="2"/>
    <element name="voice" type="contact:e164Type" minOccurs="0"/>
    <element name="fax" type="contact:e164Type" minOccurs="0"/>
    <element name="email" type="eppcom:minTokenType"/>
    <element name="clID" type="eppcom:clIDType"/>
    <element name="crID" type="eppcom:clIDType"/>
    <element name="crDate" type="dateTime"/>
    <element name="upID" type="eppcom:clIDType" minOccurs="0"/>
    <element name="upDate" type="dateTime" minOccurs="0"/>
    <element name="trDate" type="dateTime" minOccurs="0"/>
    <element name="authInfo" type="contact:authInfoType" minOccurs="0"/>
    <element name="disclose" type="contact:discloseType" minOccurs="0"/>
  </sequence>
</complexType>

<!--
Status is a combination of attributes and an optional human-readable message that may be expressed in languages other than English.

<complexType name="statusType">
  <simpleContent>
    <extension base="normalizedString">
      <attribute name="s" type="contact:statusValueType" use="required"/>
      <attribute name="lang" type="language" default="en"/>
    </extension>
  </simpleContent>
</complexType>

<simpleType name="statusValueTyp
<restriction base="token">
  <enumeration value="clientDeleteProhibited"/>
  <enumeration value="clientTransferProhibited"/>
  <enumeration value="clientUpdateProhibited"/>
  <enumeration value="linked"/>
  <enumeration value="ok"/>
  <enumeration value="pendingCreate"/>
  <enumeration value="pendingDelete"/>
  <enumeration value="pendingTransfer"/>
  <enumeration value="pendingUpdate"/>
  <enumeration value="serverDeleteProhibited"/>
  <enumeration value="serverTransferProhibited"/>
  <enumeration value="serverUpdateProhibited"/>
</restriction>
</simpleType>

<!-- Pending action notification response elements. -->
<complexType name="panDataType">
  <sequence>
    <element name="id" type="contact:paCLIDType"/>
    <element name="paTRID" type="epp:trIDType"/>
    <element name="paDate" type="dateTime"/>
  </sequence>
</complexType>

<complexType name="paCLIDType">
  <simpleContent>
    <extension base="eppcom:clIDType">
      <attribute name="paResult" type="boolean" use="required"/>
    </extension>
  </simpleContent>
</complexType>

<!-- Transfer response elements. -->
<complexType name="trnDataType">
  <sequence>
    <element name="id" type="eppcom:clIDType"/>
    <element name="trStatus" type="eppcom:trStatusType"/>
    <element name="reID" type="eppcom:clIDType"/>
    <element name="reDate" type="dateTime"/>
    <element name="acID" type="eppcom:clIDType"/>
    <element name="acDate" type="dateTime"/>
  </sequence>
</complexType>

<!-- End of schema. -->
<schema targetNamespace="urn:ietf:params:xml:ns:domain-1.0"
  xmlns:domain="urn:ietf:params:xml:ns:domain-1.0"" "
  xmlns:host="urn:ietf:params:xml:ns:host-1.0"
  xmlns:epp="urn:ietf:params:xml:ns:epp-1.0"
  xmlns:eppcom="urn:ietf:params:xml:ns:eppcom-1.0"
  xmlns="http://www.w3.org/2001/XMLSchema"
  elementFormDefault="qualified">" "

<!--
Import common element types.
-->
<import namespace="urn:ietf:params:xml:ns:eppcom-1.0"
  schemaLocation="eppcom-1.0.xsd"/>
<import namespace="urn:ietf:params:xml:ns:epp-1.0"
  schemaLocation="epp-1.0.xsd"/>
<import namespace="urn:ietf:params:xml:ns:host-1.0"
  schemaLocation="host-1.0.xsd"/>

<annotation>
  <documentation>
  Extensible Provisioning Protocol v1.0
  domain provisioning schema.
  </documentation>
</annotation>

<!--
Child elements found in EPP commands.
-->
<element name="check" type="domain:mNameType"/>
<element name="create" type="domain:createType"/>
<element name="delete" type="domain:sNameType"/>
<element name="info" type="domain:infoType"/>
<element name="renew" type="domain:renewType"/>
<element name="transfer" type="domain:transferType"/>
<element name="update" type="domain:updateType"/>

<!--
Child elements of the <create> command.
-->
<complexType name="createType">
  <sequence>
    <element name="name" type="eppcom:labelType"/>
    <element name="period" type="domain:periodType"
      minOccurs="0"/>
    <element name="ns" type="domain:nsType"
      minOccurs="0"/>
    <element name="registrant" type="eppcom:clIDType"
      minOccurs="0"/>
    <element name="contact" type="domain:contactType"
      minOccurs="0" maxOccurs="unbounded"/>
    <element name="authInfo" type="domain:authInfoType"/>
  </sequence>
</complexType>
<complexType name="periodType">
   <simpleContent>
      <extension base="domain:pLimitType">
         <attribute name="unit" type="domain:pUnitType">
            use="required"/>
      </extension>
   </simpleContent>
</complexType>

<complexType name="pLimitType">
   <restriction base="unsignedShort">
      <minInclusive value="1"/>
      <maxInclusive value="99"/>
   </restriction>
</complexType>

<complexType name="pUnitType">
   <restriction base="token">
      <enumeration value="y"/>
      <enumeration value="m"/>
   </restriction>
</complexType>

<complexType name="nsType">
   <choice>
      <element name="hostObj" type="eppcom:labelType">
         maxOccurs="unbounded"/>
      <element name="hostAttr" type="domain:hostAttrType">
         maxOccurs="unbounded"/>
   </choice>
</complexType>

<complexType name="hostAttrType">
   <sequence>
      <element name="hostName" type="eppcom:labelType"/>
      <element name="hostAddr" type="host:addrType">
         minOccurs="0" maxOccurs="unbounded"/>
   </sequence>
</complexType>

<complexType name="contactType">
   <simpleContent>
      <extension base="eppcom:clIDType">
         <attribute name="type" type="domain:contactAttrType"/>
      </extension>
   </simpleContent>
</complexType>

<complexType name="contactAttrType">
   <restriction base="token">
      <enumeration value=""/>
   </restriction>
</complexType>

Name servers are either host objects or attributes.

If attributes, addresses are optional and follow the structure defined in the host mapping.

<!--
<complexType name="authInfoType">
    <choice>
        <element name="pw" type="eppcom:pwAuthInfoType"/>
        <element name="ext" type="eppcom:extAuthInfoType"/>
    </choice>
</complexType>

<!--
Child element of commands that require a single name.
-->
<complexType name="sNameType">
    <sequence>
        <element name="name" type="eppcom:labelType"/>
    </sequence>
</complexType>

<!--
Child element of commands that accept multiple names.
-->
<complexType name="mNameType">
    <sequence>
        <element name="name" type="eppcom:labelType" maxOccurs="unbounded"/>
    </sequence>
</complexType>

<!--
Child elements of the <info> command.
-->
<complexType name="infoType">
    <sequence>
        <element name="name" type="domain:infoNameType"/>
        <element name="authInfo" type="domain:authInfoType" minOccurs="0"/>
    </sequence>
</complexType>

<complexType name="infoNameType">
    <simpleContent>
        <extension base = "eppcom:labelType">
            <attribute name="hosts" type="domain:hostsType" default="all"/>
        </extension>
    </simpleContent>
</complexType>

<simpleType name="hostsType">
    <restriction base="token">
        <enumeration value="all"/>
        <enumeration value="del"/>
        <enumeration value="none"/>
    </restriction>
</simpleType>
<enumeration value="sub"/>
</restriction>
</simpleType>

<!--
Child elements of the <renew> command.
-->
<complexType name="renewType">
  <sequence>
    <element name="name" type="eppcom:labelType"/>
    <element name="curExpDate" type="date"/>
    <element name="period" type="domain:periodType"
      minOccurs="0"/>
  </sequence>
</complexType>

<!--
Child elements of the <transfer> command.
-->
<complexType name="transferType">
  <sequence>
    <element name="name" type="eppcom:labelType"/>
    <element name="period" type="domain:periodType"
      minOccurs="0"/>
    <element name="authInfo" type="domain:authInfoType"
      minOccurs="0"/>
  </sequence>
</complexType>

<!--
Child elements of the <update> command.
-->
<complexType name="updateType">
  <sequence>
    <element name="name" type="eppcom:labelType"/>
    <element name="add" type="domain:addRemType"
      minOccurs="0"/>
    <element name="rem" type="domain:addRemType"
      minOccurs="0"/>
    <element name="chg" type="domain:chgType"
      minOccurs="0"/>
  </sequence>
</complexType>

<!--
Data elements that can be added or removed.
-->
<complexType name="addRemType">
  <sequence>
    <element name="ns" type="domain:nsType"
      minOccurs="0"/>
    <element name="contact" type="domain:contactType"
      minOccurs="0" maxOccurs="unbounded"/>
    <element name="status" type="domain:statusType"
      minOccurs="0" maxOccurs="11"/>
  </sequence>
</complexType>
Data elements that can be changed.

```
<complexType name="chgType">
  <sequence>
    <element name="registrant" type="domain:clIDChgType" minOccurs="0"/>
    <element name="authInfo" type="domain:authInfoChgType" minOccurs="0"/>
  </sequence>
</complexType>

<!--
Allow the registrant value to be nullified by changing the minLength restriction to "0".
-->
<simpleType name="clIDChgType">
  <restriction base="token">
    <minLength value="0"/>
    <maxLength value="16"/>
  </restriction>
</simpleType>

<!--
Allow the authInfo value to be nullified by including an empty element within the choice.
-->
<complexType name="authInfoChgType">
  <choice>
    <element name="pw" type="eppcom:pwAuthInfoType"/>
    <element name="ext" type="eppcom:extAuthInfoType"/>
    <element name="null"/>
  </choice>
</complexType>

<!--
Child response elements.
-->
<element name="chkData" type="domain:chkDataType"/>
<element name="creData" type="domain:creDataType"/>
<element name="infData" type="domain:infDataType"/>
<element name="panData" type="domain:panDataType"/>
<element name="renData" type="domain:renDataType"/>
<element name="trnData" type="domain:trnDataType"/>

<!--
(check) response elements.
-->
<complexType name="chkDataType">
  <sequence>
    <element name="cd" type="domain:checkType" maxOccurs="unbounded"/>
  </sequence>
</complexType>

<complexType name="checkType">
```
<sequence>
  <element name="name" type="domain:checkNameType"/>
  <element name="reason" type="eppcom:reasonType" minOccurs="0"/>
</sequence>
</complexType>

<complexType name="checkNameType">
  <simpleContent>
    <extension base="eppcom:labelType">
      <attribute name="avail" type="boolean" use="required"/>
    </extension>
  </simpleContent>
</complexType>

<!-- create response elements. -->
<complexType name="creDataType">
  <sequence>
    <element name="name" type="eppcom:labelType"/>
    <element name="crDate" type="dateTime"/>
    <element name="exDate" type="dateTime" minOccurs="0"/>
  </sequence>
</complexType>

<!-- info response elements. -->
<complexType name="infDataType">
  <sequence>
    <element name="name" type="eppcom:labelType"/>
    <element name="roid" type="eppcom:roidType" minOccurs="0" maxOccurs="11"/>
    <element name="status" type="domain:statusType" minOccurs="0" maxOccurs="11"/>
    <element name="registrant" type="eppcom:clIDType" minOccurs="0"/>
    <element name="contact" type="domain:contactType" minOccurs="0" maxOccurs="unbounded"/>
    <element name="ns" type="domain:nsType" minOccurs="0" maxOccurs="unbounded"/>
    <element name="host" type="eppcom:labelType" minOccurs="0" maxOccurs="unbounded"/>
    <element name="clID" type="eppcom:clIDType" minOccurs="0" maxOccurs="unbounded"/>
    <element name="crID" type="eppcom:clIDType" minOccurs="0" maxOccurs="unbounded"/>
    <element name="crDate" type="dateTime" minOccurs="0" maxOccurs="unbounded"/>
    <element name="upID" type="eppcom:clIDType" minOccurs="0" maxOccurs="unbounded"/>
    <element name="upDate" type="dateTime" minOccurs="0" maxOccurs="unbounded"/>
    <element name="exDate" type="dateTime" minOccurs="0" maxOccurs="unbounded"/>
    <element name="trDate" type="dateTime"/>
Status is a combination of attributes and an optional human-readable message that may be expressed in languages other than English.

```xml
<complexType name="statusType">
  <simpleContent>
    <extension base="normalizedString">
      <attribute name="s" type="domain:statusValueType" use="required"/>
      <attribute name="lang" type="language" default="en"/>
    </extension>
  </simpleContent>
</complexType>
```

```xml
<complexType name="statusValueType">
  <restriction base="token">
    <enumeration value="clientDeleteProhibited"/>
    <enumeration value="clientHold"/>
    <enumeration value="clientRenewProhibited"/>
    <enumeration value="clientTransferProhibited"/>
    <enumeration value="clientUpdateProhibited"/>
    <enumeration value="inactive"/>
    <enumeration value="ok"/>
    <enumeration value="pendingCreate"/>
    <enumeration value="pendingDelete"/>
    <enumeration value="pendingRenew"/>
    <enumeration value="pendingTransfer"/>
    <enumeration value="pendingUpdate"/>
    <enumeration value="serverDeleteProhibited"/>
    <enumeration value="serverHold"/>
    <enumeration value="serverRenewProhibited"/>
    <enumeration value="serverTransferProhibited"/>
    <enumeration value="serverUpdateProhibited"/>
  </restriction>
</complexType>
```

```xml
<complexType name="panDataType">
  <sequence>
    <element name="name" type="domain:paNameType"/>
    <element name="paTRID" type="epp:trIDType"/>
    <element name="paDate" type="dateTime"/>
  </sequence>
</complexType>
```
<attribute name="paResult" type="boolean"
    use="required"/>
</extension>
</simpleContent>
</complexType>

<!--
renew response elements.
-->
<complexType name="renDataType">
  <sequence>
    <element name="name" type="eppcom:labelType"/>
    <element name="exDate" type="dateTime"
        minOccurs="0"/>
  </sequence>
</complexType>

<!--
transfer response elements.
-->
<complexType name="trnDataType">
  <sequence>
    <element name="name" type="eppcom:labelType"/>
    <element name="trStatus" type="eppcom:trStatusType"/>  
    <element name="reID" type="eppcom:clIDType"/>
    <element name="reDate" type="dateTime"/> 
    <element name="acID" type="eppcom:clIDType"/> 
    <element name="acDate" type="dateTime"/>
    <element name="exDate" type="dateTime"
        minOccurs="0"/>
  </sequence>
</complexType>

<!--
End of schema.
-->
</schema>
Extensible Provisioning Protocol v1.0 schema.
</documentation>
</annotation>

<!--
Every EPP XML instance must begin with this element.
-->
<element name="epp" type="epp:eppType"/>

<!--
An EPP XML instance must contain a greeting, hello, command,
response, or extension.
-->
<complexType name="eppType">
  <choice>
    <element name="greeting" type="epp:greetingType"/>
    <element name="hello"/>
    <element name="command" type="epp:commandType"/>
    <element name="response" type="epp:responseType"/>
    <element name="extension" type="epp:extAnyType"/>
  </choice>
</complexType>

<!--
A greeting is sent by a server in response to a client connection
or hello.
-->
<complexType name="greetingType">
  <sequence>
    <element name="svID" type="epp:sIDType"/>
    <element name="svDate" type="dateTime"/>
    <element name="svcMenu" type="epp:svcMenuType"/>
    <element name="dcp" type="epp:dcpType"/>
  </sequence>
</complexType>

<!--
Server IDs are strings with minimum and maximum length restrictions.
-->
<simpleType name="sIDType">
  <restriction base="normalizedString">
    <minLength value="3"/>
    <maxLength value="64"/>
  </restriction>
</simpleType>

<!--
A server greeting identifies available object services.
-->
<complexType name="svcMenuType">
  <sequence>
    <element name="version" type="epp:versionType" maxOccurs="unbounded"/>
    <element name="lang" type="language" maxOccurs="unbounded"/>
    <element name="objURI" type="anyURI" maxOccurs="unbounded"/>
Data Collection Policy types.

<complexType name="dcpType">
  <sequence>
    <element name="access" type="epp:dcpAccessType"/>
    <element name="statement" type="epp:dcpStatementType" maxOccurs="unbounded"/>
    <element name="expiry" type="epp:dcpExpiryType" minOccurs="0"/>
  </sequence>
</complexType>

<complexType name="dcpAccessType">
  <choice>
    <element name="all"/>
    <element name="none"/>
    <element name="null"/>
    <element name="other"/>
    <element name="personal"/>
    <element name="personalAndOther"/>
  </choice>
</complexType>

<complexType name="dcpStatementType">
  <sequence>
    <element name="purpose" type="epp:dcpPurposeType"/>
    <element name="recipient" type="epp:dcpRecipientType"/>
    <element name="retention" type="epp:dcpRetentionType"/>
  </sequence>
</complexType>

<complexType name="dcpPurposeType">
  <sequence>
    <element name="admin" minOccurs="0"/>
    <element name="contact" minOccurs="0"/>
    <element name="other" minOccurs="0"/>
    <element name="prov" minOccurs="0"/>
  </sequence>
</complexType>

<complexType name="dcpRecipientType">
  <sequence>
    <element name="other" minOccurs="0"/>
    <element name="ours" type="epp:dcpOursType" minOccurs="0" maxOccurs="un bounded"/>
    <element name="public"/>
<element name="same" minOccurs="0"/>
<element name="unrelated" minOccurs="0"/>
</sequence>
</complexType>

<complexType name="dcpOursType">
  <sequence>
    <element name="recDesc" type="epp:dcpRecDescType" minOccurs="0"/>
  </sequence>
</complexType>

<simpleType name="dcpRecDescType">
  <restriction base="token">
    <minLength value="1"/>
    <maxLength value="255"/>
  </restriction>
</simpleType>

<complexType name="dcpRetentionType">
  <choice>
    <element name="business"/>
    <element name="indefinite"/>
    <element name="legal"/>
    <element name="none"/>
    <element name="stated"/>
  </choice>
</complexType>

<complexType name="dcpExpiryType">
  <choice>
    <element name="absolute" type="dateTime"/>
    <element name="relative" type="duration"/>
  </choice>
</complexType>

<!--
Extension framework types.
-->
<complexType name="extAnyType">
  <sequence>
    <any namespace="#other" maxOccurs="unbounded"/>
  </sequence>
</complexType>

<complexType name="extURIType">
  <sequence>
    <element name="extURI" type="anyURI" maxOccurs="unbounded"/>
  </sequence>
</complexType>

<!--
An EPP version number is a dotted pair of decimal numbers.

```xml
<simpleType name="versionType">
  <restriction base="token">
    <pattern value="[1-9]+\.[0-9]+"/>
    <enumeration value="1.0"/>
  </restriction>
</simpleType>
```

<!-- Command types. -->

```xml
<complexType name="commandType">
  <sequence>
    <choice>
      <element name="check" type="epp:readWriteType"/>
      <element name="create" type="epp:readWriteType"/>
      <element name="delete" type="epp:readWriteType"/>
      <element name="info" type="epp:readWriteType"/>
      <element name="login" type="epp:loginType"/>
      <element name="logout"/>
      <element name="poll" type="epp:pollType"/>
      <element name="renew" type="epp:readWriteType"/>
      <element name="transfer" type="epp:transferType"/>
      <element name="update" type="epp:readWriteType"/>
    </choice>
    <element name="extension" type="epp:extAnyType" minOccurs="0"/>
    <element name="clTRID" type="epp:trIDStringType" minOccurs="0"/>
  </sequence>
</complexType>
```

<!-- The <login> command. -->

```xml
<complexType name="loginType">
  <sequence>
    <element name="clID" type="epp:clIDType"/>
    <element name="pw" type="epp:pwType"/>
    <element name="newPW" type="epp:pwType" minOccurs="0"/>
    <element name="options" type="epp:credsOptionsType"/>
    <element name="svcs" type="epp:loginSvcType"/>
  </sequence>
</complexType>
```

```xml
<complexType name="credsOptionsType">
  <sequence>
    <element name="version" type="epp:versionType"/>
    <element name="lang" type="language"/>
  </sequence>
</complexType>
```

```xml
<complexType name="pwType">
  <restriction base="token">
    <minLength value="6"/>
  </restriction>
</complexType>
```
<complexType name="loginSvcType">
  <sequence>
    <element name="objURI" type="anyURI" maxOccurs="unbounded"/>
    <element name="svcExtension" type="epp:extURIType" minOccurs="0"/>
  </sequence>
</complexType>

<!-- The <poll> command. -->
<complexType name="pollType">
  <attribute name="op" type="epp:pollOpType" use="required"/>
  <attribute name="msgID" type="token"/>
</complexType>

<simpleType name="pollOpType">
  <restriction base="token">
    <enumeration value="ack"/>
    <enumeration value="req"/>
  </restriction>
</simpleType>

<!-- The <transfer> command. This is object-specific, and uses attributes to identify the requested operation. -->
<complexType name="transferType">
  <sequence>
    <any namespace="##other"/>
  </sequence>
  <attribute name="op" type="epp:transferOpType" use="required"/>
</complexType>

<simpleType name="transferOpType">
  <restriction base="token">
    <enumeration value="approve"/>
    <enumeration value="cancel"/>
    <enumeration value="query"/>
    <enumeration value="reject"/>
    <enumeration value="request"/>
  </restriction>
</simpleType>

<!-- All other object-centric commands. EPP doesn't specify the syntax or semantics of object-centric command elements. The elements MUST be described in detail in another schema specific to the object. -->
<complexType name="readWriteType">
<sequence>
  <any namespace="##other"/>
</sequence>
</complexType>

<complexType name="trIDType">
  <sequence>
    <element name="clTRID" type="epp:trIDStringType"
             minOccurs="0"/>
    <element name="svTRID" type="epp:trIDStringType"/>
  </sequence>
</complexType>

<simpleType name="trIDStringType">
  <restriction base="token">
    <minLength value="3"/>
    <maxLength value="64"/>
  </restriction>
</simpleType>

<!--
Response types.
-->
<complexType name="responseType">
  <sequence>
    <element name="result" type="epp:resultType"
             maxOccurs="unbounded"/>
    <element name="msgQ" type="epp:msgQType"
             minOccurs="0"/>
    <element name="resData" type="epp:extAnyType"
             minOccurs="0"/>
    <element name="extension" type="epp:extAnyType"
             minOccurs="0"/>
    <element name="trID" type="epp:trIDType"/>
  </sequence>
</complexType>

<complexType name="resultType">
  <sequence>
    <element name="msg" type="epp:msgType"/>
    <choice minOccurs="0" maxOccurs="unbounded">
      <element name="value" type="epp:errValueType"/>
      <element name="extValue" type="epp:extErrValueType"/>
    </choice>
  </sequence>
  <attribute name="code" type="epp:resultCodeType"
             use="required"/>
</complexType>

<complexType name="errValueType" mixed="true">
  <sequence>
    <any namespace="##any" processContents="skip"/>
  </sequence>
  <anyAttribute namespace="##any" processContents="skip"/>
</complexType>

<complexType name="extErrValueType">
  <sequence>
    <any namespace="##any" processContents="skip"/>
  </sequence>
  <anyAttribute namespace="##any" processContents="skip"/>
</complexType>

<complexType name="extErrValueType">
<sequence>
   <element name="value" type="epp:errValueType"/>
   <element name="reason" type="epp:msgType"/>
</sequence>
</complexType>

<complexType name="msgQType">
   <sequence>
      <element name="qDate" type="dateTime"
         minOccurs="0"/>
      <element name="msg" type="epp:mixedMsgType"
         minOccurs="0"/>
   </sequence>
   <attribute name="count" type="unsignedLong"
      use="required"/>
   <attribute name="id" type="eppcom:minTokenType"
      use="required"/>
</complexType>

<complexType name="mixedMsgType" mixed="true">
   <sequence>
      <any processContents="skip"
         minOccurs="0" maxOccurs="unbounded"/>
   </sequence>
   <attribute name="lang" type="language"
      default="en"/>
</complexType>

<!--
Human-readable text may be expressed in languages other than English.  
-->  
<complexType name="msgType">
   <simpleContent>
      <extension base="normalizedString">
         <attribute name="lang" type="language"
            default="en"/>
      </extension>
   </simpleContent>
</complexType>

<!--
EPP result codes.  
-->  
<simpleType name="resultCodeType">
   <restriction base="unsignedShort">
      <enumeration value="1000"/>
      <enumeration value="1001"/>
      <enumeration value="1300"/>
      <enumeration value="1301"/>
      <enumeration value="1500"/>
      <enumeration value="2000"/>
      <enumeration value="2001"/>
      <enumeration value="2002"/>
      <enumeration value="2003"/>
      <enumeration value="2004"/>
      <enumeration value="2005"/>
      <enumeration value="2100"/>
<?xml version="1.0" encoding="UTF-8"?>

<schema targetNamespace="urn:ietf:params:xml:ns:eppcom-1.0"
 xmlns:eppcom="urn:ietf:params:xml:ns:eppcom-1.0"
 xmlns="http://www.w3.org/2001/XMLSchema"
 elementFormDefault="qualified">

<annotation>
 <documentation>
 Extensible Provisioning Protocol v1.0
 shared structures schema.
 </documentation>
</annotation>

<!--
Object authorization information types. -->

<complexType name="pwAuthInfoType">
 <simpleContent>
  <extension base="normalizedString">
   <attribute name="roid" type="eppcom:roidType"/>
  </extension>
 </simpleContent>
</complexType>

</schema>
<complexType name="extAuthInfoType">
  <sequence>
    <any namespace="##other"/>
  </sequence>
</complexType>

<!--
check> response types.
-->
<complexType name="reasonType">
  <simpleContent>
    <extension base="eppcom:reasonBaseType">
      <attribute name="lang" type="language"/>
    </extension>
  </simpleContent>
</complexType>

<simpleType name="reasonBaseType">
  <restriction base="token">
    <minLength value="1"/>
    <maxLength value="32"/>
  </restriction>
</simpleType>

<!--
Abstract client and object identifier type.
-->
<simpleType name="clIDType">
  <restriction base="token">
    <minLength value="3"/>
    <maxLength value="16"/>
  </restriction>
</simpleType>

<!--
DNS label type.
-->
<simpleType name="labelType">
  <restriction base="token">
    <minLength value="1"/>
    <maxLength value="255"/>
  </restriction>
</simpleType>

<!--
Non-empty token type.
-->
<simpleType name="minTokenType">
  <restriction base="token">
    <minLength value="1"/>
  </restriction>
</simpleType>

<!--
Repository Object IDentifier type.
-->

<simpleType name="roidType">
    <restriction base="token">
        <pattern value="(\w|_){1,80}-\w{1,8}"/>
    </restriction>
</simpleType>

<!--
Transfer status identifiers.
-->  
<simpleType name="trStatusType">
    <restriction base="token">
        <enumeration value="clientApproved"/>
        <enumeration value="clientCancelled"/>
        <enumeration value="clientRejected"/>
        <enumeration value="pending"/>
        <enumeration value="serverApproved"/>
        <enumeration value="serverCancelled"/>
    </restriction>
</simpleType>

<!--
End of schema.
-->
<!--
Child elements of the <create> command.
-->
<complexType name="createType">
  <sequence>
    <element name="name" type="eppcom:labelType"/>
    <element name="addr" type="host:addrType" minOccurs="0" maxOccurs="unbounded"/>
  </sequence>
</complexType>

<complexType name="addrType">
  <simpleContent>
    <extension base="host:addrStringType">
      <attribute name="ip" type="host:ipType" default="v4"/>
    </extension>
  </simpleContent>
</complexType>

<simpleType name="addrStringType">
  <restriction base="token">
    <minLength value="3"/>
    <maxLength value="45"/>
  </restriction>
</simpleType>

<simpleType name="ipType">
  <restriction base="token">
    <enumeration value="v4"/>
    <enumeration value="v6"/>
  </restriction>
</simpleType>

<!--
Child elements of the <delete> and <info> commands.
-->
<complexType name="sNameType">
  <sequence>
    <element name="name" type="eppcom:labelType"/>
  </sequence>
</complexType>

<!--
Child element of commands that accept multiple names.
-->
<complexType name="mNameType">
  <sequence>
    <element name="name" type="eppcom:labelType" maxOccurs="unbounded"/>
  </sequence>
</complexType>
Child elements of the `<update>` command.

```xml
<complexType name="updateType">
  <sequence>
    <element name="name" type="eppcom:labelType"/>
    <element name="add" type="host:addRemType"
              minOccurs="0"/>
    <element name="rem" type="host:addRemType"
              minOccurs="0"/>
    <element name="chg" type="host:chgType"
              minOccurs="0"/>
  </sequence>
</complexType>
```

Data elements that can be added or removed.

```xml
<complexType name="addRemType">
  <sequence>
    <element name="addr" type="host:addrType"
             minOccurs="0" maxOccurs="unbounded"/>
    <element name="status" type="host:statusType"
             minOccurs="0" maxOccurs="7"/>
  </sequence>
</complexType>
```

Data elements that can be changed.

```xml
<complexType name="chgType">
  <sequence>
    <element name="name" type="eppcom:labelType"/>
  </sequence>
</complexType>
```

Child response elements.

```xml
<element name="chkData" type="host:chkDataType"/>
<element name="creData" type="host:creDataType"/>
<element name="infData" type="host:infDataType"/>
<element name="panData" type="host:panDataType"/>
```

Response elements.

```xml
<complexType name="chkDataType">
  <sequence>
    <element name="cd" type="host:checkType"
             maxOccurs="unbounded"/>
  </sequence>
</complexType>
```

```xml
<complexType name="checkType">
  <sequence>
    <element name="name" type="host:checkNameType"/>
  </sequence>
</complexType>
```
<element name="reason" type="eppcom:reasonType" minOccurs="0"/>
</sequence>
</complexType>

<complexType name="checkNameType">
  <simpleContent>
    <extension base="eppcom:labelType">
      <attribute name="avail" type="boolean" use="required"/>
    </extension>
  </simpleContent>
</complexType>

<!--
<create> response elements.
-->  
<complexType name="creDataType">
  <sequence>
    <element name="name" type="eppcom:labelType"/>
    <element name="crDate" type="dateTime"/>
  </sequence>
</complexType>

<!--
<info> response elements.
-->  
<complexType name="infDataType">
  <sequence>
    <element name="name" type="eppcom:labelType"/>
    <element name="roid" type="eppcom:roidType" maxOccurs="7"/>
    <element name="status" type="host:statusType" minOccurs="0" maxOccurs="unbounded"/>
    <element name="addr" type="host:addrType" minOccurs="0" maxOccurs="unbounded"/>
    <element name="clID" type="eppcom:clIDType"/>
    <element name="crID" type="eppcom:clIDType"/>
    <element name="crDate" type="dateTime"/>
    <element name="upID" type="eppcom:clIDType" minOccurs="0"/>
    <element name="upDate" type="dateTime" minOccurs="0"/>
    <element name="trDate" type="dateTime" minOccurs="0"/>
  </sequence>
</complexType>

<!--
Status is a combination of attributes and an optional human-readable message that may be expressed in languages other than English.
-->  
<complexType name="statusType">
  <simpleContent>
    <extension base="normalizedString">
      <attribute name="s" type="host:statusValueType" use="required"/>
      <attribute name="lang" type="language"/>
    </extension>
  </simpleContent>
</complexType>
<complexType name="statusValueType">
    <restriction base="token">
        <enumeration value="clientDeleteProhibited"/>
        <enumeration value="clientUpdateProhibited"/>
        <enumeration value="linked"/>
        <enumeration value="ok"/>
        <enumeration value="pendingCreate"/>
        <enumeration value="pendingDelete"/>
        <enumeration value="pendingTransfer"/>
        <enumeration value="pendingUpdate"/>
        <enumeration value="serverDeleteProhibited"/>
        <enumeration value="serverUpdateProhibited"/>
    </restriction>
</complexType>

<!-- Pending action notification response elements. -->
<complexType name="panDataType">
    <sequence>
        <element name="name" type="host:paNameType"/>
        <element name="paTRID" type="epp:trIDType"/>
        <element name="paDate" type="dateTime"/>
    </sequence>
</complexType>

<complexType name="paNameType">
    <simpleContent>
        <extension base="eppcom:labelType">
            <attribute name="paResult" type="boolean" use="required"/>
        </extension>
    </simpleContent>
</complexType>

<!-- End of schema. -->
</schema>
Extensible Provisioning Protocol v1.0
NeuLevel extension schema.
</documentation>
</annotation>

<!--
NeuLevel extension type.
-->
<element name="extension" type="neulevel:neulevelExtensionType"/>

<complexType name="neulevelExtensionType">
 <sequence>
  <element name="unspec" type="neulevel:neulevelUnspecType" minOccurs="0"/>
  <element name="genericNVPairs" type="neulevel:neulevelNVPairType" minOccurs="0"/>
 </sequence>
</complexType>

<!--
NeuLevel extension type: string for name/value (for EPP-04 compatibility)
-->
<simpleType name="neulevelUnspecType">
 <restriction base="normalizedString">
  </restriction>
</simpleType>

<complexType name="neulevelNVPairType">
 <sequence>
  <element name="NVTuple" type="neulevel:NVType" minOccurs="0" maxOccurs="unbounded"/>
 </sequence>
</complexType>

<complexType name="NVType">
 <simpleContent>
  <extension base="string">
   <attribute name="name" type="string" use="required"/>
  </extension>
 </simpleContent>
</complexType>

<!--
End of schema.
-->
</schema>
<elementFormDefault="qualified">

<!--
Import common element types.
-->
<import namespace="urn:ietf:params:xml:ns:eppcom-1.0"
    schemaLocation="eppcom-1.0.xsd"/>
<import namespace="urn:ietf:params:xml:ns:epp-1.0"
    schemaLocation="epp-1.0.xsd"/>
<import namespace="urn:ietf:params:xml:ns:host-1.0"
    schemaLocation="host-1.0.xsd"/>

<annotation>
    <documentation>
        Extensible Provisioning Protocol v1.0
        NeuStar-specific schema.
    </documentation>
</annotation>

<element name="trnData" type="neustar:trnDataType"/>

<!--
poll response elements for transactions.
-->
<complexType name="trnDataType">
    <sequence>
        <element name="objId" type="eppcom:labelType"/>
        <element name="objType" type="neustar:objTypeType"/>
        <element name="operation" type="neustar:operationType"/>
        <element name="trnDate" type="dateTime"/>
    </sequence>
</complexType>

<simpleType name="objTypeType">
    <restriction base="token">
        <enumeration value="domain"/>
        <enumeration value="contact"/>
        <enumeration value="nameserver"/>
    </restriction>
</simpleType>

<simpleType name="operationType">
    <restriction base="token">
        <enumeration value="add"/>
        <enumeration value="delete"/>
        <enumeration value="update"/>
        <enumeration value="renew"/>
        <enumeration value="transfer"/>
    </restriction>
</simpleType>

<!--
End of schema.
-->
</schema>
Extensible Provisioning Protocol v1.0
domain name extension schema for provisioning
DNS security (DNSSEC) extensions.

Child elements found in EPP commands.

Child elements of the <create> command.

```
<complexType name="dsType">
  <sequence>
    <element name="dsData" type="secDNS:dsDataType" maxOccurs="unbounded"/>
  </sequence>
</complexType>

<complexType name="dsDataType">
  <sequence>
    <element name="keyTag" type="unsignedShort"/>
    <element name="alg" type="unsignedByte"/>
    <element name="digestType" type="unsignedByte"/>
    <element name="digest" type="hexBinary"/>
    <element name="maxSigLife" type="secDNS:maxSigLifeType" minOccurs="0"/>
    <element name="keyData" type="secDNS:keyDataType" minOccurs="0"/>
  </sequence>
</complexType>

<simpleType name="maxSigLifeType">
  <restriction base="int">
    <minInclusive value="1"/>
  </restriction>
</simpleType>

<complexType name="keyDataType">
  <sequence>
    <element name="flags" type="unsignedShort"/>
    <element name="protocol" type="unsignedByte"/>
    <element name="alg" type="unsignedByte"/>
    <element name="pubKey" type="secDNS:keyType"/>
  </sequence>
</complexType>

<complexType name="keyType">
  <restriction base="base64Binary">
    <minLength value="1"/>
</restriction>
</complexType>
```
Child elements of the <update> command.

```xml
<complexType name="updateType">
    <choice>
        <element name="add" type="secDNS:dsType"/>
        <element name="chg" type="secDNS:dsType"/>
        <element name="rem" type="secDNS:remType"/>
    </choice>
    <attribute name="urgent" type="boolean" default="false"/>
</complexType>

<complexType name="remType">
    <sequence>
        <element name="keyTag" type="unsignedShort" maxOccurs="unbounded"/>
    </sequence>
</complexType>

Child response elements.

```xml
<element name="infData" type="secDNS:dsType"/>

End of schema.
```
<!--
Child elements found in EPP commands.
-->
<element name="check" type="svcsub:mNameType"/>
<element name="create" type="svcsub:createType"/>
<element name="delete" type="svcsub:sNameType"/>
<element name="info" type="svcsub:sNameType"/>
<element name="renew" type="svcsub:renewType"/>
<element name="transfer" type="svcsub:transferType"/>
<element name="update" type="svcsub:updateType"/>

<!--
Child elements of the <create> command.
-->
<complexType name="createType">
  <sequence>
    <element name="id" type="svcsub:subIDType"/>
    <element name="service" type="svcsub:svcIDType"/>
    <element name="param" type="svcsub:svcParamType" minOccurs="0" maxOccurs="unbounded"/>
    <element name="period" type="svcsub:periodType" minOccurs="0"/>
    <element name="registrant" type="eppcom:clIDType" minOccurs="0"/>
    <element name="contact" type="svcsub:contactType" minOccurs="0" maxOccurs="unbounded"/>
    <element name="authInfo" type="svcsub:authInfoType" minOccurs="0"/>
  </sequence>
</complexType>

<complexType name="periodType">
  <simpleContent>
    <extension base="svcsub:pLimitType">
      <attribute name="unit" type="svcsub:pUnitType" use="required"/>
    </extension>
  </simpleContent>
</complexType>

<simpleType name="pLimitType">
  <restriction base="unsignedShort">
    <minInclusive value="1"/>
    <maxInclusive value="99"/>
  </restriction>
</simpleType>

<simpleType name="pUnitType">
  <restriction base="token">
    <enumeration value="y"/>
    <enumeration value="m"/>
  </restriction>
</simpleType>

<complexType name="contactType">
  <simpleContent>
    <extension base="eppcom:clIDType">
    </extension>
  </simpleContent>
</complexType>
<attribute name="type" type="svcsub:contactAttrType" use="optional"/>
</extension>
</simpleContent>
</complexType>

<complexType name="contactAttrType">
<restriction base="token">
<enumeration value="admin"/>
<enumeration value="billing"/>
<enumeration value="tech"/>
<enumeration value="primary"/>
<enumeration value="secondary"/>
<enumeration value="bizlock"/>
<!minLength value="3"/>
<maxLength value="64"/>-->
</restriction>
</simpleType>

<complexType name="authInfoType">
<choice>
<element name="pw" type="eppcom:pwAuthInfoType"/>
<element name="ext" type="eppcom:extAuthInfoType"/>
</choice>
</complexType>

<simpleType name="subIDType">
<restriction base="token">
<minLength value="3"/>
<maxLength value="64"/>
</restriction>
</simpleType>

<simpleType name="svcIDType">
<restriction base="token">
<minLength value="3"/>
<maxLength value="64"/>
</restriction>
</simpleType>

<complexType name="svcParamType">
<simpleContent>
<extension base="token">
<attribute name="name" type="svcsub:svcParamAttrType" use="required"/>
</extension>
</simpleContent>
</complexType>

<complexType name="svcParamAttrType">
<restriction base="token">
</restriction>
</simpleType>

<complexType name="userIDType">
<restriction base="token">
<minLength value="3"/>
</restriction>
</simpleType>
<complexType name="sNameType">
  <sequence>
    <element name="id" type="svcsub:subIDType"/>
    <element name="service" type="svcsub:svcIDType" minOccurs="0"/>
    <element name="userid" type="svcsub:userIDType" minOccurs="0"/>
    <element name="authInfo" type="svcsub:authInfoType" minOccurs="0"/>
  </sequence>
</complexType>

<complexType name="mNameType">
  <sequence>
    <element name="service" type="svcsub:svcIDType" minOccurs="0"/>
    <element name="id" type="svcsub:subIDType" maxOccurs="unbounded"/>
  </sequence>
</complexType>

<complexType name="renewType">
  <sequence>
    <element name="id" type="svcsub:subIDType"/>
    <element name="service" type="svcsub:svcIDType" minOccurs="0"/>
    <element name="curExpDate" type="date"/>
    <element name="period" type="svcsub:periodType" minOccurs="0"/>
    <element name="userid" type="svcsub:userIDType" minOccurs="0"/>
    <element name="authInfo" type="svcsub:authInfoType" minOccurs="0"/>
  </sequence>
</complexType>

<complexType name="transferType">
  <sequence>
    <element name="id" type="svcsub:subIDType"/>
    <element name="service" type="svcsub:svcIDType" minOccurs="0"/>
  </sequence>
</complexType>
<element name="period" type="svcsub:periodType"
  minOccurs="0"/>
<element name="userid" type="svcsub:userIDType"
  minOccurs="0"/>
<element name="authInfo" type="svcsub:authInfoType"
  minOccurs="0"/>
</sequence>
</complexType>

<!--
Child elements of the <update> command.
-->
<complexType name="updateType">
  <sequence>
    <element name="id" type="svcsub:subIDType"/>
    <element name="service" type="svcsub:svcIDType"
      minOccurs="0"/>
    <choice minOccurs="1" maxOccurs="3">
      <element name="add" type="svcsub:addRemType"
        minOccurs="0"/>
      <element name="rem" type="svcsub:addRemType"
        minOccurs="0"/>
      <element name="chg" type="svcsub:chgType"
        minOccurs="0"/>
    </choice>
    <element name="userid" type="svcsub:userIDType"
      minOccurs="0"/>
    <element name="authInfo" type="svcsub:authInfoType"
      minOccurs="0"/>
  </sequence>
</complexType>

<!--
Data elements that can be added or removed.
-->
<complexType name="addRemType">
  <choice minOccurs="1" maxOccurs="3">
    <element name="param" type="svcsub:svcParamType"
      minOccurs="0" maxOccurs="unbounded"/>
    <element name="contact" type="svcsub:contactType"
      minOccurs="0" maxOccurs="unbounded"/>
    <element name="status" type="svcsub:statusType"
      minOccurs="0" maxOccurs="14"/>
  </choice>
</complexType>

<!--
Data elements that can be changed.
-->
<complexType name="chgType">
  <sequence>
    <element name="registrant" type="eppcom:clIDType"
      minOccurs="0"/>
    <element name="authInfo" type="svcsub:authInfoType"
      minOccurs="0"/>
  </sequence>
</complexType>
Child response elements.

<element name="chkData" type="svcsub:chkDataType"/>
<element name="creData" type="svcsub:creDataType"/>
<element name="infData" type="svcsub:infDataType"/>
<element name="panData" type="svcsub:panDataType"/>
<element name="renData" type="svcsub:renDataType"/>
<element name="trnData" type="svcsub:trnDataType"/>

<check> response elements.

<complexType name="chkDataType">
  <sequence>
    <element name="service" type="svcsub:svcIDType" minOccurs="0"/>
    <element name="cd" type="svcsub:checkType" maxOccurs="unbounded"/>
  </sequence>
</complexType>

<complexType name="checkType">
  <sequence>
    <element name="id" type="svcsub:checkIDType"/>
    <element name="reason" type="eppcom:reasonType" minOccurs="0"/>
  </sequence>
</complexType>

<complexType name="checkIDType">
  <simpleContent>
    <extension base="eppcom:clIDType">
      <attribute name="avail" type="boolean" use="required"/>
    </extension>
  </simpleContent>
</complexType>

<create> and <renew> response elements.

<complexType name="creDataType">
  <sequence>
    <element name="id" type="svcsub:subIDType"/>
    <element name="service" type="svcsub:svcIDType" minOccurs="0"/>
    <element name="crDate" type="dateTime"/>
    <element name="exDate" type="dateTime" minOccurs="0"/>
  </sequence>
</complexType>

<info> response elements.

<!--
<complexType name="infDataType">
<sequence>
  <element name="id" type="svcsub:subIDType"/>
  <element name="roid" type="eppcom:roidType"/>
  <element name="status" type="svcsub:statusType" maxOccurs="14"/>
  <element name="registrar" type="svcsub:contactType" minOccurs="0"/>
  <element name="contact" type="svcsub:contactType" minOccurs="0" maxOccurs="unbounded"/>
  <element name="service" type="svcsub:svcIDType"/>
  <element name="param" type="svcsub:svcParamType" minOccurs="0" maxOccurs="unbounded"/>
  <element name="clID" type="eppcom:clIDType"/>
  <element name="crID" type="eppcom:clIDType"/>
  <element name="crDate" type="dateTime"/>
  <element name="upID" type="eppcom:clIDType" minOccurs="0"/>
  <element name="upDate" type="dateTime" minOccurs="0"/>
  <element name="exDate" type="dateTime" minOccurs="0"/>
  <element name="trDate" type="dateTime" minOccurs="0"/>
  <element name="authInfo" type="svcsub:authInfoType" minOccurs="0"/>
</sequence>
</complexType>

<complexType name="statusType">
  <simpleContent>
    <extension base="normalizedString">
      <attribute name="s" type="svcsub:statusValueType" use="required"/>
      <attribute name="lang" type="language" use="optional" default="en"/>
    </extension>
  </simpleContent>
</complexType>

<simpleType name="statusValueType">
  <restriction base="token">
    <enumeration value="clientDeleteProhibited"/>
    <enumeration value="clientSuspended"/>
    <enumeration value="clientRenewProhibited"/>
    <enumeration value="clientTransferProhibited"/>
    <enumeration value="clientUpdateProhibited"/>
    <enumeration value="inactive"/>
    <enumeration value="ok"/>
    <enumeration value="pendingDelete"/>
    <enumeration value="pendingTransfer"/>
    <enumeration value="pendingVerification"/>
    <enumeration value="serverDeleteProhibited"/>
  </restriction>
</simpleType>

STATUS is a combination of attributes and an optional human-readable message that may be expressed in languages other than English.
<!-- Pending action notification response elements. -->
<complexType name="paDataType">
  <sequence>
    <element name="id" type="svcsub:paSubIDType"/>
    <element name="service" type="svcsub:svcIDType" minOccurs="0"/>
    <element name="paTRID" type="epp:trIDType"/>
    <element name="paDate" type="dateTime"/>
  </sequence>
</complexType>

<complexType name="paSubIDType">
  <simpleContent>
    <extension base="svcsub:subIDType">
      <attribute name="paResult" type="boolean" use="required"/>
    </extension>
  </simpleContent>
</complexType>

<!-- renew response elements. -->
<complexType name="renDataType">
  <sequence>
    <element name="id" type="svcsub:subIDType"/>
    <element name="service" type="svcsub:svcIDType" minOccurs="0"/>
    <element name="exDate" type="dateTime" minOccurs="0"/>
  </sequence>
</complexType>

<!-- transfer response elements. -->
<complexType name="trnDataType">
  <sequence>
    <element name="id" type="svcsub:subIDType"/>
    <element name="service" type="svcsub:svcIDType" minOccurs="0"/>
    <element name="trStatus" type="eppcom:trStatusType"/>
    <element name="reID" type="eppcom:clIDType"/>
    <element name="reDate" type="dateTime"/>
    <element name="acID" type="eppcom:clIDType"/>
    <element name="acDate" type="dateTime"/>
    <element name="exDate" type="dateTime" minOccurs="0"/>
  </sequence>
</complexType>
</sequence>
</complexType>

<!--
End of schema.
-->
</schema>